

**LAND APPLICATION SITE**  
**GRANVILLE M. MAITLAND**  
**DWGMM 1 – 9, 11 - 16**  
**DINWIDDIE COUNTY**

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION

## FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 10-11-14 between Granville + Barbara Maitland referred to here as "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

#### Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>40-52</u>			
<u>40-52 D</u>			
<u>40-52 A</u>			
<u>40-52B</u>			
<u>39-40</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.  
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

13410 BUTTERWOOD LN  
W. 150NS, VA 23894  
804-265-8191

Granville Maitland

Landowner - Printed Name, Title  
Barbara Maitland

Granville Maitland  
 Signature  
Barbara Maitland

Mailing Address & Phone Number

#### Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature]

Permittee - Authorized Representative  
 Printed Name

[Signature]  
 Signature

PO Box 562 Remington, Virginia 22734

Mailing Address

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc.

County or City: Dinwiddie

Landowner: Ernestine & Barbara

## Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:
 

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Ernestine Maitland Barbara Maitland  
Landowner's Signature

10-11-14  
Date

Ernestine Maitland Barbara Maitland  
Farm Operator Signature

13410 Butterwood Ln. Wilson, Va 23594  
524-265-8191  
Mailing Address & Phone Number

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 2-21-20 between Kimberly Hamilton referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>40-52c</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.  
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>Kimberly M. Hamilton</u>	Mailing Address <u>436 Grove Ave Pettersburg VA 23803</u>	Landowner Signature <u>Kimberly M Hamilton</u>
By: <u>Kimberly M Hamilton</u>	<u>Kimberly M Hamilton</u>	
Title <u>Owner</u>	Phone No. <u>804 731 0241</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>Trumbo</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: Kimberly Maitland Hamilton

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Kimberly M Hamilton  
Landowner's Signature

2-21-20  
Date

Shawill M. Maitland  
Operator's Signature

mailing address & phone


02-21-2020  
Date

13410 Rutland Farm Rd, VA 23894  
504-265-8191

[illegible]

# FARM DATA SHEET

<b>SITE NAME:</b>	Granville M. Maitland	<b>COUNTY:</b>	Dinwiddie
<b>OWNER:</b>	See List Below	<b>OPERATOR:</b>	Granville M. Maitland
<b>OWNER'S</b>	See List Below	<b>OPERATOR'S</b>	13410 Butterwood Lane
<b>ADDRESS:</b>		<b>ADDRESS:</b>	Wilson, VA 23864
<b>OWNER'S TELEPHONE:</b>	See List Below	<b>OPERATOR'S TELEPHONE:</b>	804-265-8191
<b>GENERAL FARM TYPE:</b>	Row Crop	<b>CELL PHONE:</b>	804-898-0312
<b># CATTLE:</b>	None	<b>EMAIL:</b>	-
<b>LAGOON or SLURRY:</b>	None	<b>LATITUDE:</b>	37.095
<b>TOPO QUAD:</b>	Darvills	<b>LONGITUDE:</b>	-77.789
<b>COMMENTS:</b>		<b>METHOD OF DETERMINATION:</b>	Online Maps
Granville and Barbara Maitland 13410 Butterwood Lane Wilson, VA 23864 804-265-8191		Kimberly Maitland Hamilton 436 Grove Ave. Petersburg, VA 23803 804-731-0241	
<b>All hedgerows and Fields 3, 4, and 13 to be cleared in the next year.</b>			

BB   
8-4-20

**NEW FIELD CHANGES**  
**GRANVILLE M. MAITLAND**  
**DINWIDDIE COUNTY**

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**NEW FIELD 1 IS PART OF OLD FIELD 1 IN THE OLD EDWARD GIVENS BOOK.**

**NEW FIELD 2 IS OLD FIELD 2 IS THE OLD EDWARD GIVENS BOOK.**

**NEW FIELD 3 IS A NEW CLEARED FIELD.**

**NEW FIELD 4 IS A NEW CLEARED FIELD.**

**NEW FIELD 5 IS PART OF OLD FIELDS 1 AND 3 IN THE OLD EDWARD GIVENS BOOK.**

**NEW FIELD 6 IS PART OF OLD FIELD 1 AND 3 IN THE OLD EDWARD GIVENS BOOK.**

**NEW FIELD 7 IS OLD FIELD 4 AND PART OF OLD FIELD 3 IN THE OLD EDWARD GIVENS BOOK.**

**NEW FIELD 8 IS PART OF OLD FIELD 1 IN THE OLD GRANVILLE MAITLAND BOOK.**

**NEW FIELD 9 IS PART OF OLD FIELD 1 IN THE OLD GRANVILLE MAITLAND BOOK.**

**NEW FIELD 11 IS OLD FIELDS 6 AND 7 IN THE OLD GRANVILLE MAITLAND BOOK.**

**NEW FIELD 12 IS OLD FIELD 2 IN THE OLD GRANVILLE MAITLAND BOOK.**

**NEW FIELD 13 IS A NEW CLEARED FIELD.**

**NEW FIELD 14 IS OLD FIELD 3 IN THE OLD GRANVILLE MAITLAND BOOK.**

**NEW FIELD 15 IS OLD FIELD 4 IN THE OLD GRANVILLE MAITLAND BOOK.**

**NEW FIELD 16 IS OLD FIELD 5 IN THE OLD GRANVILLE MAITLAND BOOK.**



# RECYC SYSTEMS, INC

## FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWGMM 1N	9.3	-	-	-	-	CU 19	39-40	T 5357 F 65
DWGMM 2N	4.4	-	-	-	-	CU 19	39-40	T 5357 F 2
DWGMM 3N	9.7	-	-	-	-	CU 19	39-40	T 5357 F None
DWGMM 4N	9.4	16A Nov.-May	-	-	-	CU 19	39-40	T 5357 F None
DWGMM 5N	16.4	-	-	-	-	CU 19	39-40	T 5357 F 65
DWGMM 6N	15.1	-	-	-	-	CU 19	39-40	T 5357 F 65
DWGMM 7N	12.6	-	-	-	-	CU 19	39-40 40-52A	T 5357 F 3, 65
DWGMM 8	8.1	-	-	-	-	CU 19	40-52A 40-52C	T 453 F 16
DWGMM 9	11.5	-	-	-	-	CU 19	40-52A 40-52 40-52D	T 453 F 4, 5
DWGMM 11	28.4	-	-	-	-	CU 19	40-52A	T 453 F 7, 9

5-4-21

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWGMM 12	9.2	-	-	-	-	CU 19	40-52A 40-52D	T 453 F 2, 6
DWGMM 13	30.0	16A Nov.-May	-	-	-	CU 19	39-40 40-52A 40-52C	T 453 F None T 5357 F None
DWGMM 14	9.5	-	-	-	-	CU 19	40-52A 40-52B	T 453 F 3
DWGMM 15	11.0	-	-	-	-	CU 19	40-52A 40-52B	T 453 F 8
DWGMM 16	18.6	-	-	-	-	CU 19	40-52A	T 453 F 10
TOTAL ACRES IN SITE	203.2							

5-4-21

Report Number: 20-009-0501

Account Number: 70594



7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 • Fax 804-271-6446

www.waypointanalytical.com

Send To: Recyc Systems Inc  
Susan Trumbo  
8455 Whiteshop Road  
Culpeper VA 22701

"Every acre...Every year."™

Grower: Granville Maitland  
Dinwiddie

## SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 01/09/2020

Date Of Analysis: 01/10/2020

Date Of Report: 01/10/2020

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm	Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
DWGMM-1 8.9	15501	1.6 L		76	52 H			55 L	47 L	585 H		6.1	6.88	0.5	4.0
DWGMM-2 12	15502	1.6 L		76	123 VH			42 L	45 L	545 M		5.8	6.85	0.8	4.0
DWGMM-3 14	15503	1.4 L		73	178 VH			50 L	31 L	441 M		5.7	6.86	0.7	3.3
DWGMM-4 15	15504	2.5 L		92	136 VH			34 VL	63 L	836 H		6.0	6.84	0.9	5.7
DWGMM-5 16	15505	2.1 L		86	80 H			58 L	51 M	532 M		5.8	6.85	0.8	4.0

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DWGMM-1 8.9	3.5	9.8	73.1		12.5			3.2 M	83 VH						
DWGMM-2 12	2.7	9.4	68.1		20.0			5.7 H	40 H						
DWGMM-3 14	3.9	7.8	66.8		21.2			5.4 H	39 H						
DWGMM-4 15	1.5	9.2	73.3		15.8			6.2 H	22 H						
DWGMM-5 16	3.7	10.6	66.5		20.0			5.0 H	34 H						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Report Number: 20-009-0501

Account Number: 70594



7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 ° Fax 804-271-6446

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8455 Whiteshop Road  
Culpepper VA 22701

"Every acre...Every year."™

Grower: Granville Maitland  
Dinwiddie

Date Received: 01/09/2020

Date Of Report: 01/10/2020

## SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash K <sub>2</sub> O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DWGMM- <del>1</del> 8.9	Adjust pH to 6.8	0	1.3				14			0			
DWGMM- <del>2</del> 12	Adjust pH to 6.8	0	1.5				14			0			
DWGMM- <del>3</del> 14	Adjust pH to 6.8	0	1.5				19			0			
DWGMM- <del>4</del> 15	Adjust pH to 6.8	0	1.3				5			0			
DWGMM- <del>5</del> 16	Adjust pH to 6.8	0	1.5				13			0			

## Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

Report Number: 20-009-0501

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Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
DWGMM-6 11	15506	2.4 L		91	89 H			55 L	59 L	657 M		5.7	6.83	1.0	4.9
DWGMM-7 11	15507	2.3 L		90	80 H			51 L	60 M	653 H		6.1	6.87	0.6	4.5

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DWGMM-6 11	2.9	10.0	67.0		20.4			4.9 H	25 H						
DWGMM-7 11	2.9	11.1	72.6		13.3			4.4 H	26 H						

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by: *Pauric McGroary*

Pauric McGroary

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 8455 Whiteshop Road  
 Culpeper VA 22701

"Every acre...Every year."™

**Grower:** Granville Maitland  
 Dinwiddie

Date Received: 01/09/2020

Date Of Report: 01/10/2020

## SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash K <sub>2</sub> O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DWGMM- <del>9</del> 11	Adjust pH to 6.8	0	1.5				5			0			
DWGMM/ 11	Adjust pH to 6.8	0	1.3				5			0			

**Comments:**

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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*Paucic McGeary*

Paucic McGroary

Report Number: 20-017-0501

Account Number: 70594



7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 • Fax 804-271-6446

www.waypointanalytical.com

Send To: Recyc Systems Inc  
Susan Trumbo  
8455 Whiteshop Road  
Culpepper VA 22701

"Every acre...Every year."™

Grower: Ed Givens

## SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 01/16/2020

Date Of Analysis: 01/17/2020

Date Of Report: 01/21/2020

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus						Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C			
		% Rate	Soil Class	lbs/A	M3 ppm	Rate	ppm	Rate	ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g
DWEAG-1 1.5.6	24171	3.4 M		109	74	H				104	M	86	M	758	M			5.6	6.78	1.5	6.3
DWEAG-2	24172	4.7 M		135	29	L				30	VL	88	M	1059	H			6.5	6.88	0.5	6.6
DWEAG-3 5.6.7	24173	2.6 M		95	68	H				71	M	79	M	703	H			6.7	6.91	0.2	4.6
DWEAG-4 7	24174	2.1 L		86	28	L				43	L	38	L	742	VH			7.0		0.0	4.1

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DWEAG-1 1.5.6	4.2	11.4	60.2		23.8			4.2 H	27 H						
DWEAG-2	1.2	11.1	80.2		7.6			2.5 M	18 M						
DWEAG-3 5.6.7	4.0	14.3	76.4		4.3			3.8 H	29 H						
DWEAG-4 7	2.7	7.7	90.5		0.0			2.4 M	72 VH						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Report Number: 20-017-0501

Account Number: 70594



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Grower: Ed Givens

Date Received: 01/16/2020

Date Of Report: 01/21/2020

**SOIL FERTILITY RECOMMENDATIONS**

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash K <sub>2</sub> O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DWEAG-1 1, 5, 6	Adjust pH to 6.8	0	2.0				0			0			
DWEAG-2	Adjust pH to 6.8	0	1.0				0			2			
DWEAG-3 5, 6, 7	Adjust pH to 6.8	0	1.0				0			0			
DWEAG-4 7	Adjust pH to 6.8	0	0.0				16			0			

**Comments:****Sample(s) : DWEAG-4 Crop: Adjust pH to 6.8**

Apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGroary



THE PLANNER IS NOT STATE CERTIFIED

**Nutrient Management Plan Balance Sheet**  
**(Fall, 2020-Winter, 2022)**  
**Granville Maitland**  
**Planner: John Doe**

Tract: 453

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
16/DWGMM 8(N)	8/8	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
4, 5/DWGMM 9(N)	12/12	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
7, 9/DWGMM 11(N)	28/28	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
2, 6/DWGMM 12(N)	9/9	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
NONE/DWGMM 13(N)	30/30	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
3/DWGMM 14(N)	10/10	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
8/DWGMM 15(N)	11/11	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
10/DWGMM 16(N)	19/19	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 5357

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
65/DWGMM 1(N)	9/9	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
2/DWGMM 2(N)	4/4	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
NONE/DWGMM 3(N)	10/10	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
NONE/DWGMM 4(N)	9/9	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
65/DWGMM 5(N)	16/16	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
65/DWGMM 6(N)	15/15	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
3, 65/DWGMM 7(N)	13/13	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
453	DWGMM 8	8	[No Test]						
453	DWGMM 9	12	[No Test]						
453	DWGMM 11	28	[No Test]						
453	DWGMM 12	9	[No Test]						
453	DWGMM 13	30	[No Test]						
453	DWGMM 14	10	[No Test]						
453	DWGMM 15	11	[No Test]						
453	DWGMM 16	19	[No Test]						
5357	DWGMM 1	9	[No Test]						
5357	DWGMM 2	4	[No Test]						
5357	DWGMM 3	10	[No Test]						
5357	DWGMM 4	9	[No Test]						
5357	DWGMM 5	16	[No Test]						
5357	DWGMM 6	15	[No Test]						
5357	DWGMM 7	13	[No Test]						

### **Field Productivities for Major Crops**

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
453	453/16	DWGMM 8	8	Cecil	IVa	II	III	II	
	453/4, 5	DWGMM 9	12	Cecil	IVa	II	III	II	
	453/7, 9	DWGMM 11	28	Cecil	IVa	II	III	II	
	453/2, 6	DWGMM 12	9	Appling	IVa	II	III	III	
	453/NON E	DWGMM 13	30	Appling	IVa	III	III	III	
	453/3	DWGMM 14	10	Appling	IVa	II	III	III	
	453/8	DWGMM 15	11	Cecil	IVa	II	III	II	
	453/10	DWGMM 16	19	Cecil	IVa	II	III	II	
5357	5357/65	DWGMM 1	9	Cecil	IVa	II	III	II	
	5357/2	DWGMM 2	4	Cecil	IVa	II	III	II	
	5357/NO NE	DWGMM 3	10	Cecil	IVa	II	III	II	
	5357/NO NE	DWGMM 4	9	Appling	IVb	III	III	III	
	5357/65	DWGMM 5	16	Cecil	IVa	II	III	II	
	5357/65	DWGMM 6	15	Cecil	IVa	II	III	II	
	5357/3, 65	DWGMM 7	13	Cecil	IVa	II	III	II	

### **Yield Range**

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

## Farm Summary Report

**Plan:**            **New Plan**        **Fall, 2020 - Winter, 2022**

**Farm Name:**    **Granville Maitland**

Location:        Dinwiddie

Specialist:      John Doe

N-based Acres: 203.2

P-based Acres: 0.0

**Tract Name:**    **453**

FSA Number:    453

Location:                Dinwiddie

**Field Name:**        **DWGMM 8**

Total Acres:    8.10    Usable Acres:    8.10

FSA Number:    16

Tract:            453

Location:                Dinwiddie

Slope Class:    B            Hydrologic Group:    B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

### *P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

### **Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

### **Soils:**

PERCENT	SYMBOL	SOIL SERIES
56	4B	Cecil
39	2B	Appling
5	2C	Appling

**Field Warnings:**

**Field Name:** DWGMM 9

Total Acres: 11.50 Usable Acres: 11.50

FSA Number: 4, 5

Tract: 453

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
46	2B	Appling
54	4B	Cecil

**Field Warnings:**

**Field Name:** DWGMM 11

Total Acres: 28.40 Usable Acres: 28.40

FSA Number: 7, 9

Tract: 453

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
75	4B	Cecil
25	4C	Cecil

**Field Warnings:**

**Field Name:** DWGMM 12

Total Acres: 9.20 Usable Acres: 9.20

FSA Number: 2, 6

Tract: 453

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
96	2B	Appling

4

2C

Appling

**Field Warnings:****Field Name: DWGMM 13**

Total Acres: 30.00 Usable Acres: 30.00

FSA Number: NONE

Tract: 453

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
13	2B	Appling
77	2C	Appling
10	16A	Roanoke

**Field Warnings:****Field Name: DWGMM 14**

Total Acres: 9.50 Usable Acres: 9.50

FSA Number: 3

Tract: 453

Location: Dinwiddie

Slope Class: B Hydrologic Group: B



Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
64	2B	Appling
34	2C	Appling
2	4C	Cecil

**Field Warnings:**

**Field Name:** DWGMM 15

Total Acres: 11.00 Usable Acres: 11.00

FSA Number: 8

Tract: 453

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
89	4C	Cecil
7	4B	Cecil
4	2B	Appling

**Field Warnings:****Field Name: DWGMM 16**

Total Acres: 18.60 Usable Acres: 18.60

FSA Number: 10

Tract: 453

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
31	4B	Cecil
69	4C	Cecil

**Field Warnings:****Tract Name: 5357**

FSA Number: 5357

Location: Dinwiddie

**Field Name: DWGMM 1**

Total Acres: 9.30 Usable Acres: 9.30  
FSA Number: 65  
Tract: 5357  
Location: Dinwiddie  
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

**Field Warnings:**

**Field Name: DWGMM 2**

Total Acres: 4.40 Usable Acres: 4.40  
FSA Number: 2  
Tract: 5357  
Location: Dinwiddie  
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
90	4B	Cecil
10	2B	Appling

**Field Warnings:****Field Name: DWGMM 3**

Total Acres: 9.70 Usable Acres: 9.70

FSA Number: NONE

Tract: 5357

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
13	2B	Appling
87	4B	Cecil

**Field Warnings:****Field Name: DWGMM 4**

Total Acres: 9.40 Usable Acres: 9.40  
FSA Number: NONE  
Tract: 5357  
Location: Dinwiddie  
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
30	4B	Cecil
54	2C	Appling
16	16A	Roanoke

**Field Warnings:**

**Field Name: DWGMM 5**

Total Acres: 16.40 Usable Acres: 16.40  
FSA Number: 65  
Tract: 5357  
Location: Dinwiddie  
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
3	2C	Appling
97	4B	Cecil

**Field Warnings:**

**Field Name:** DWGMM 6

Total Acres: 15.10 Usable Acres: 15.10

FSA Number: 65

Tract: 5357

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	4B	Cecil

**Field Warnings:**

**Field Name: DWGMM 7**

Total Acres: 12.60 Usable Acres: 12.60

FSA Number: 3, 65

Tract: 5357

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	4B Cecil	

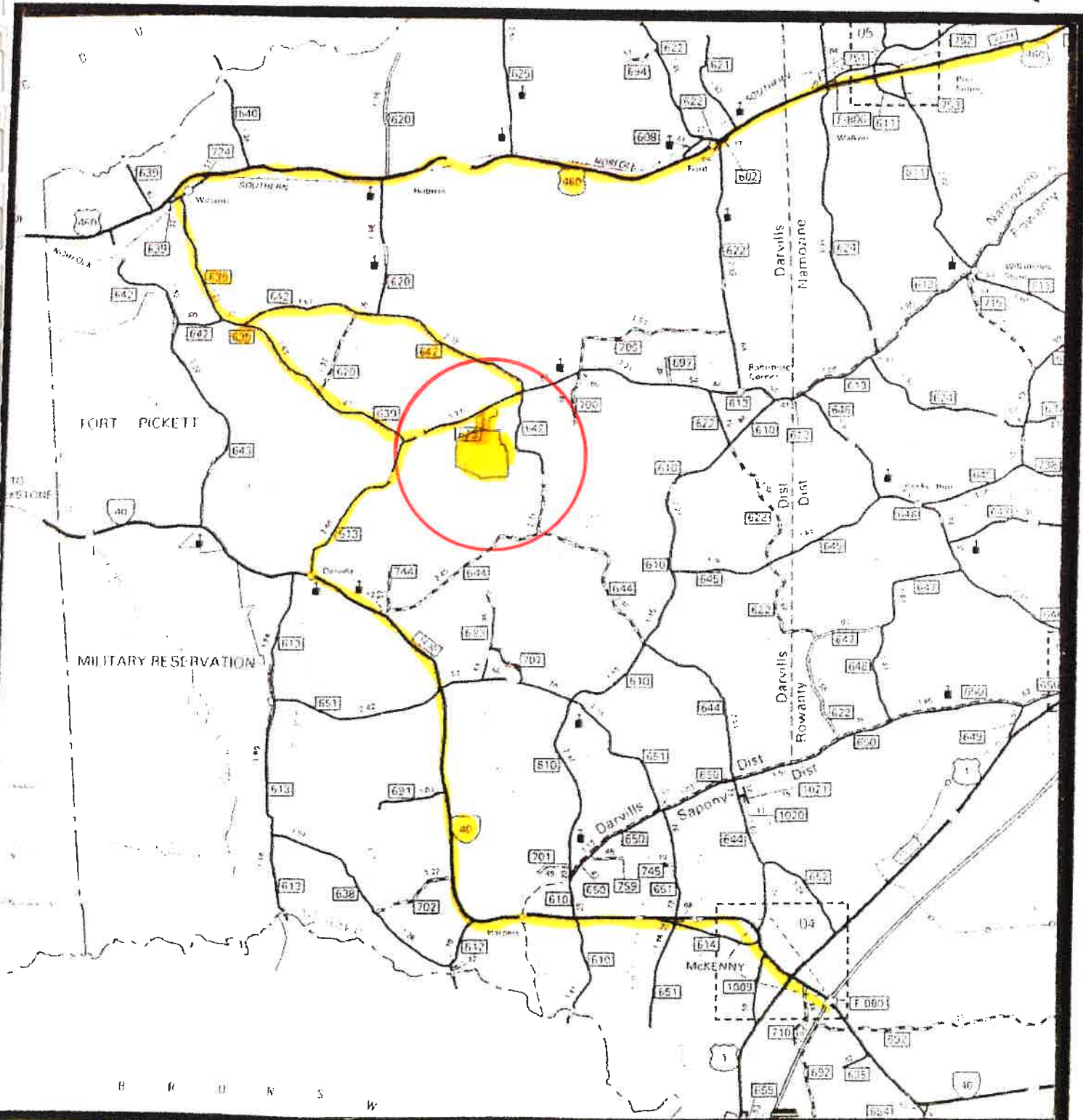
**Field Warnings:**

# MAPS



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:**

1 inch = 2 miles

DWGMM 1-9, 11-16

8-4-20

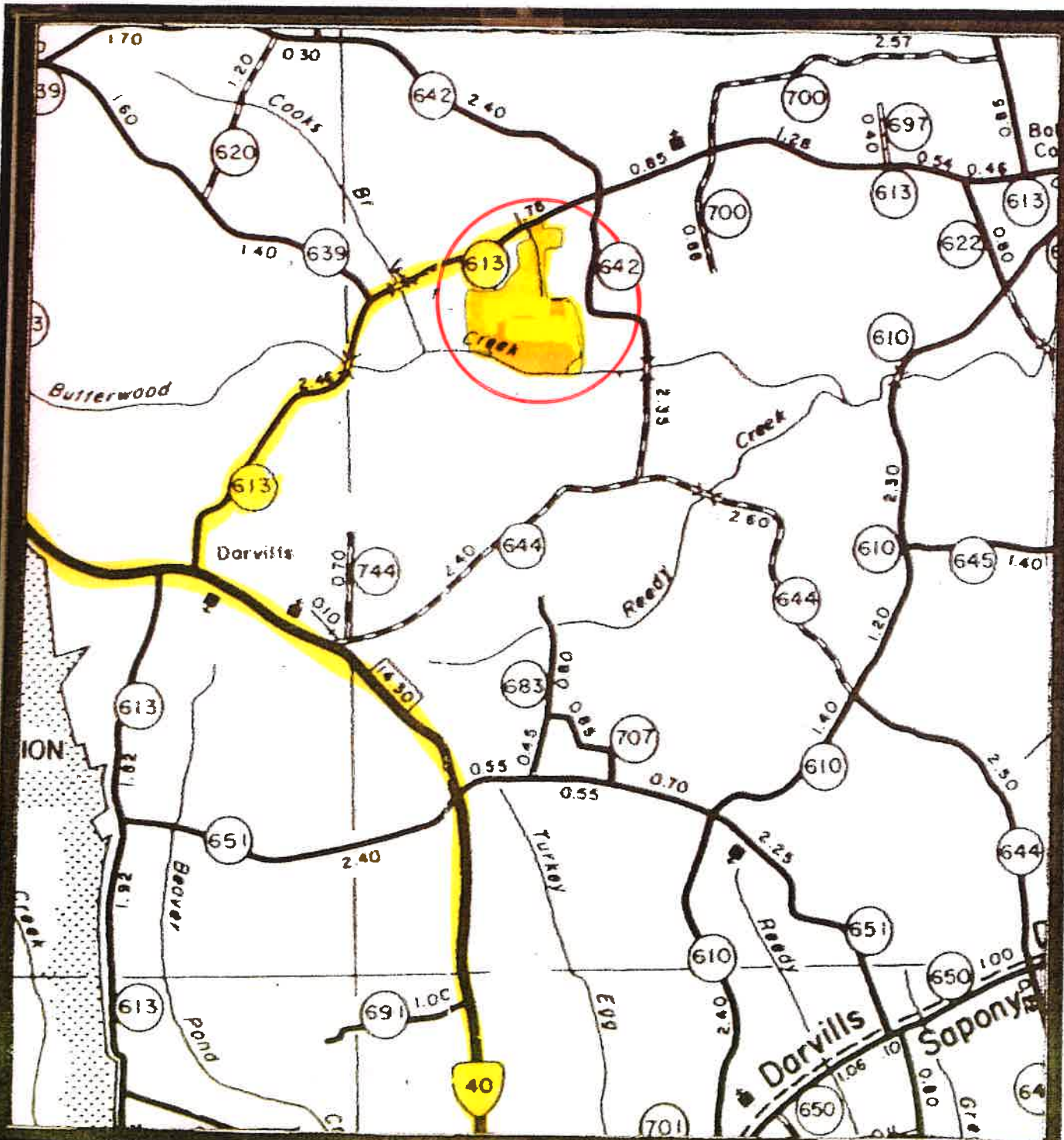
Truck Route marked  
in Yellow

**VICINITY MAP**



# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 1 mile

DWGMM 1-9, 11-16

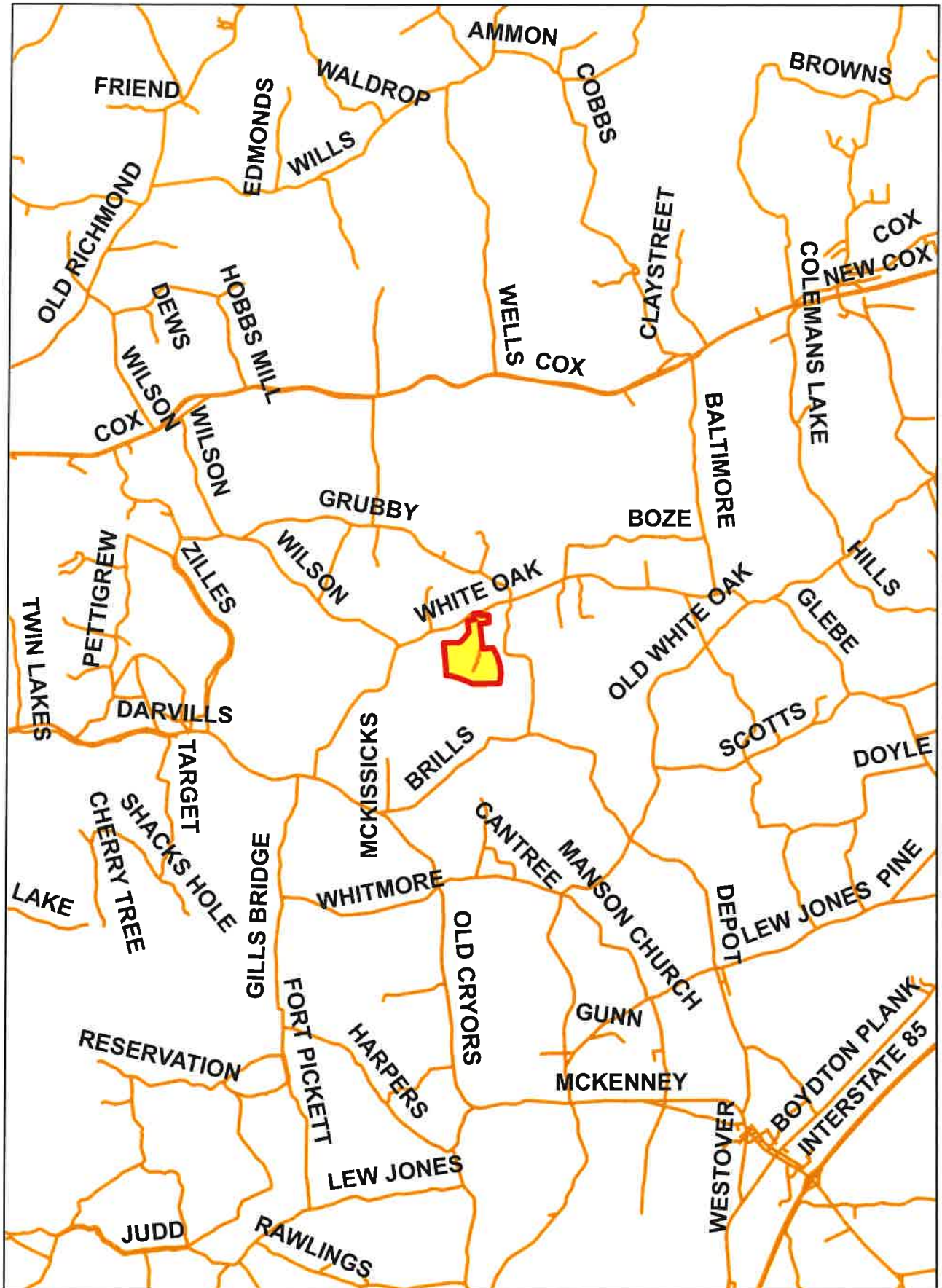
8-4-20

Truck Route marked  
in Yellow

**VICINITY MAP**



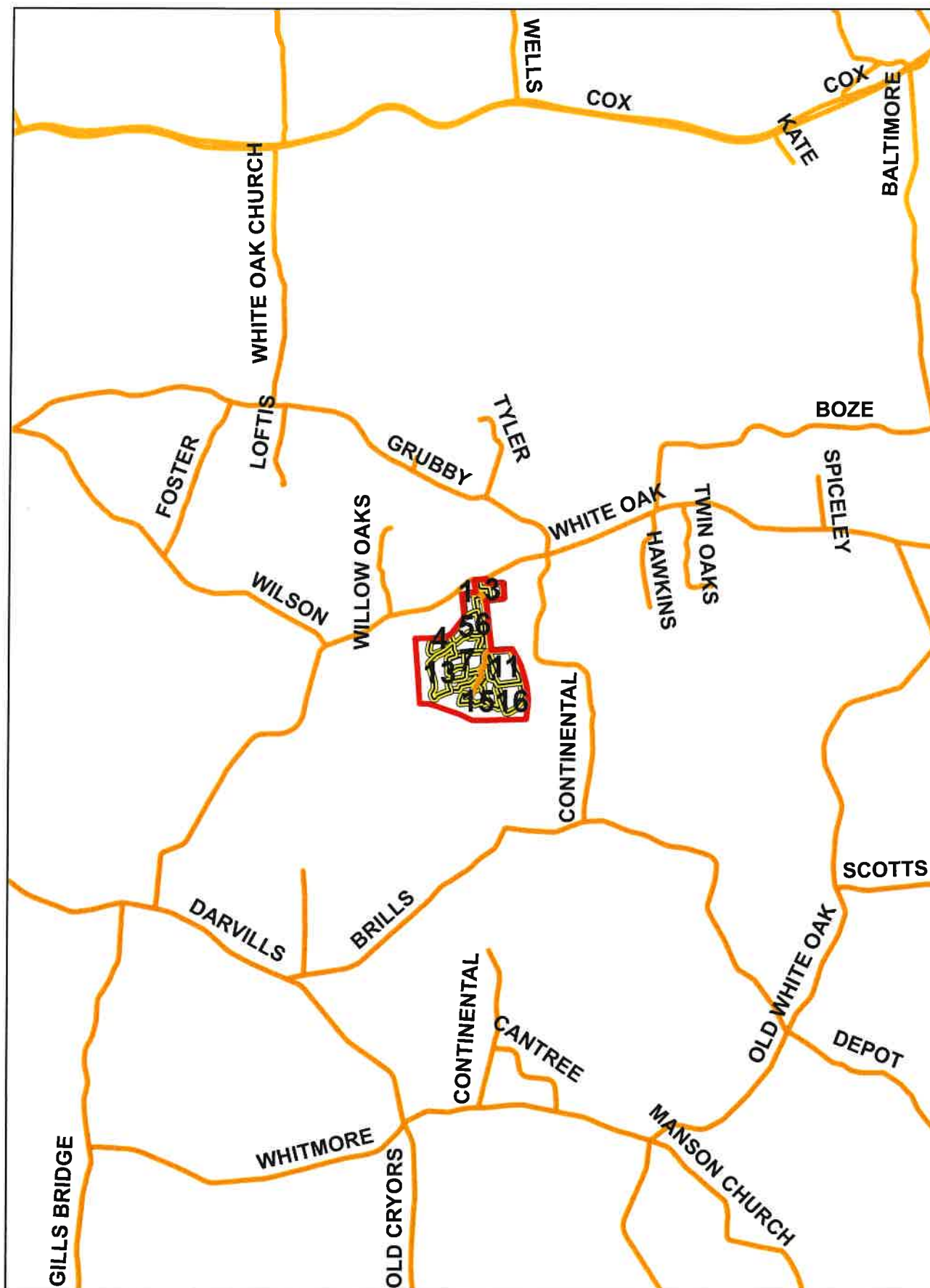




8-4-20

Vicinity Map

1 in = 2 miles



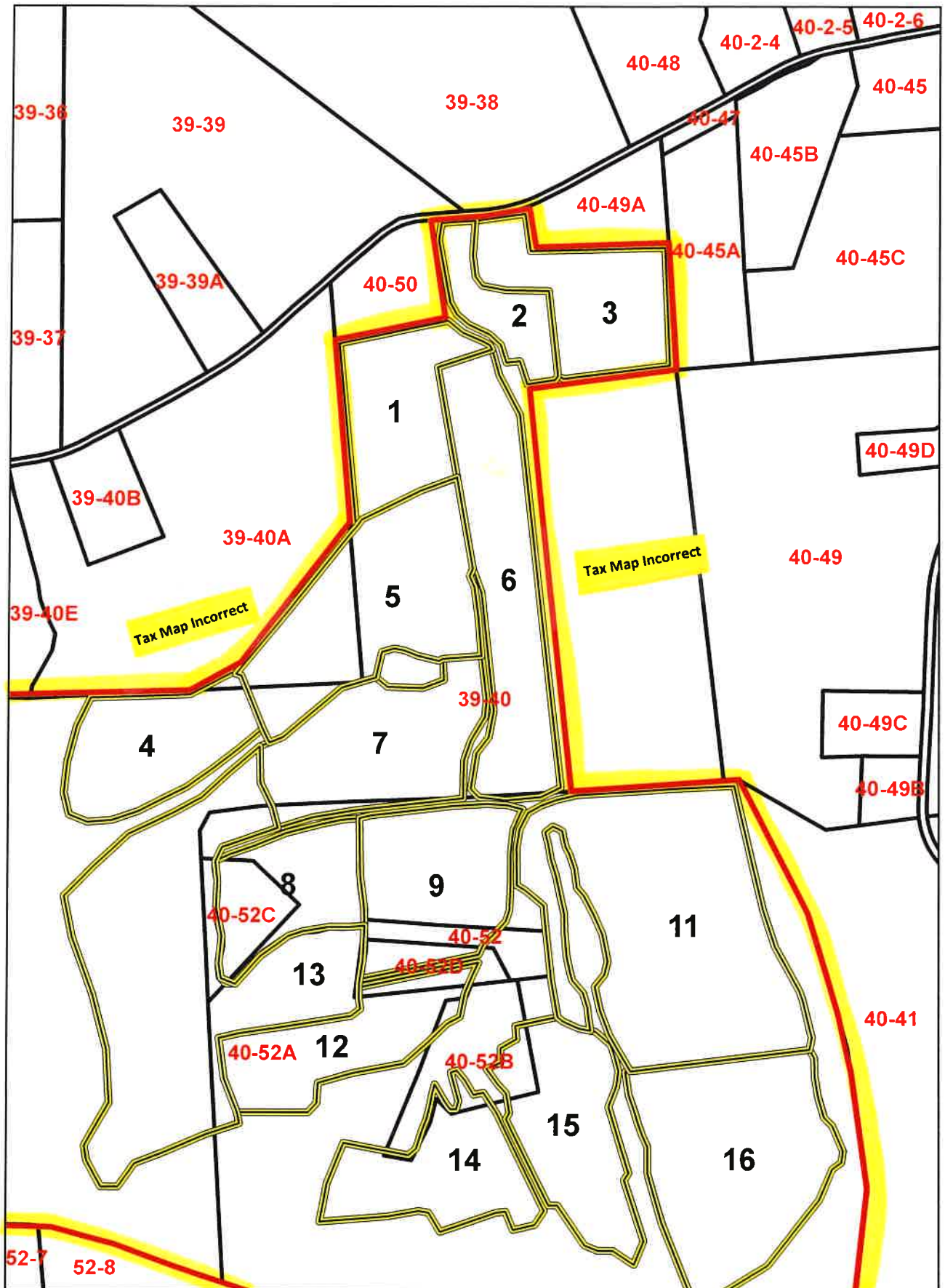
5-4-21

Vicinity Map

1 in = 1 miles





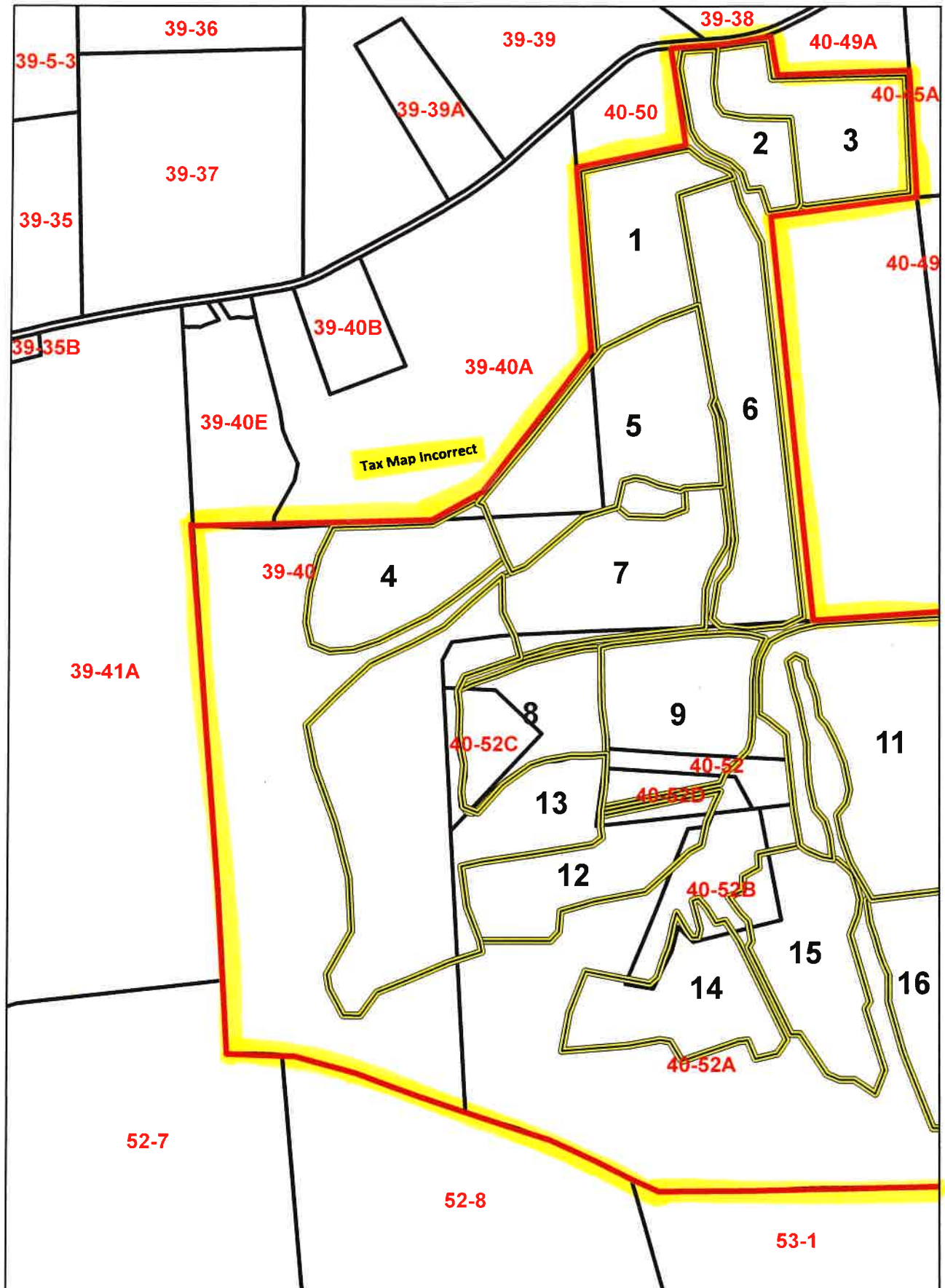


5-4-21

Tax Map

1 in = 660 feet

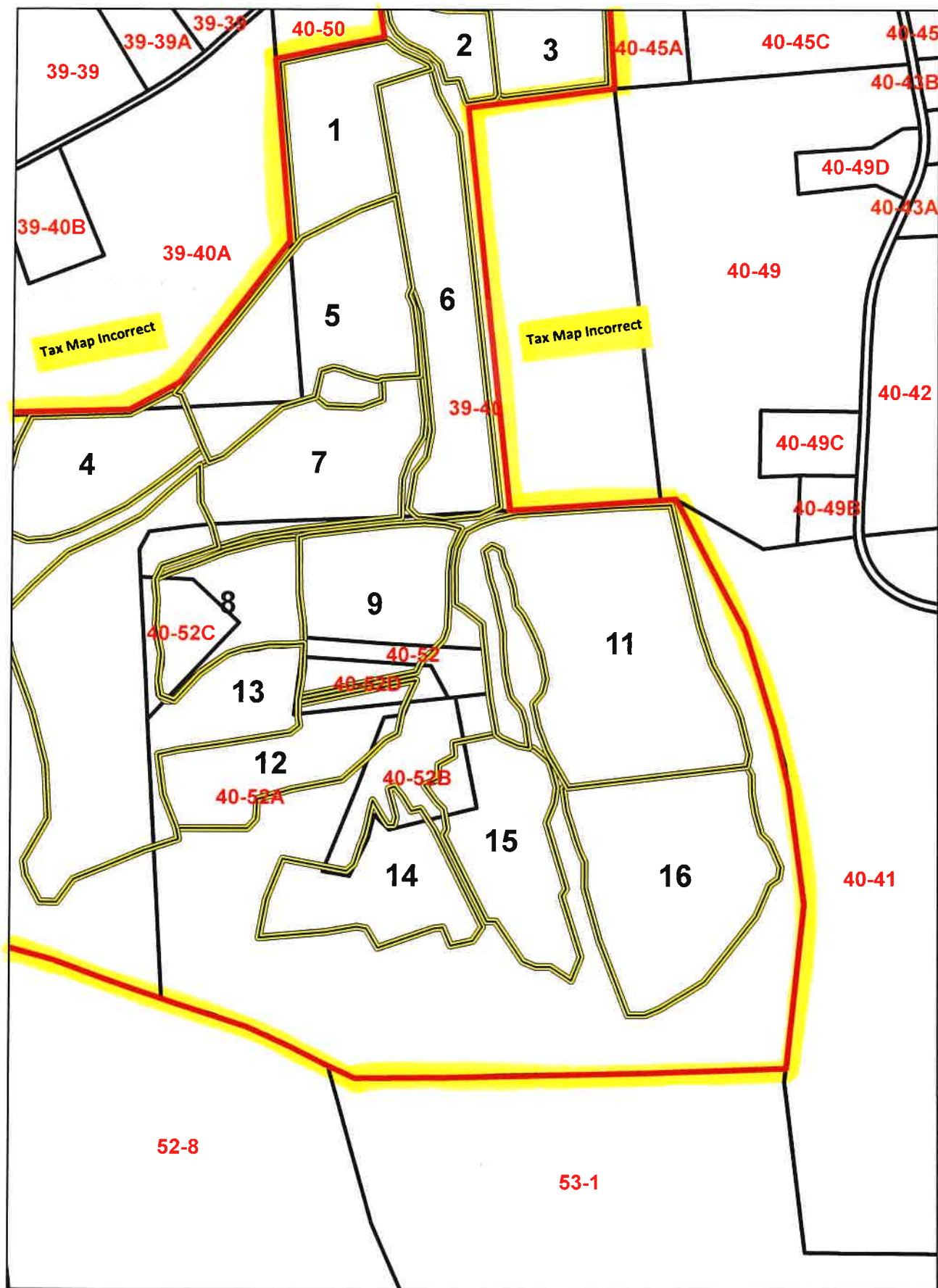




5-4-21

Tax Map

1 in = 660 feet



5-4-21

Tax Map

1 in = 660 feet



# ADJOINING LANDOWNERS

## Granville M Maitland

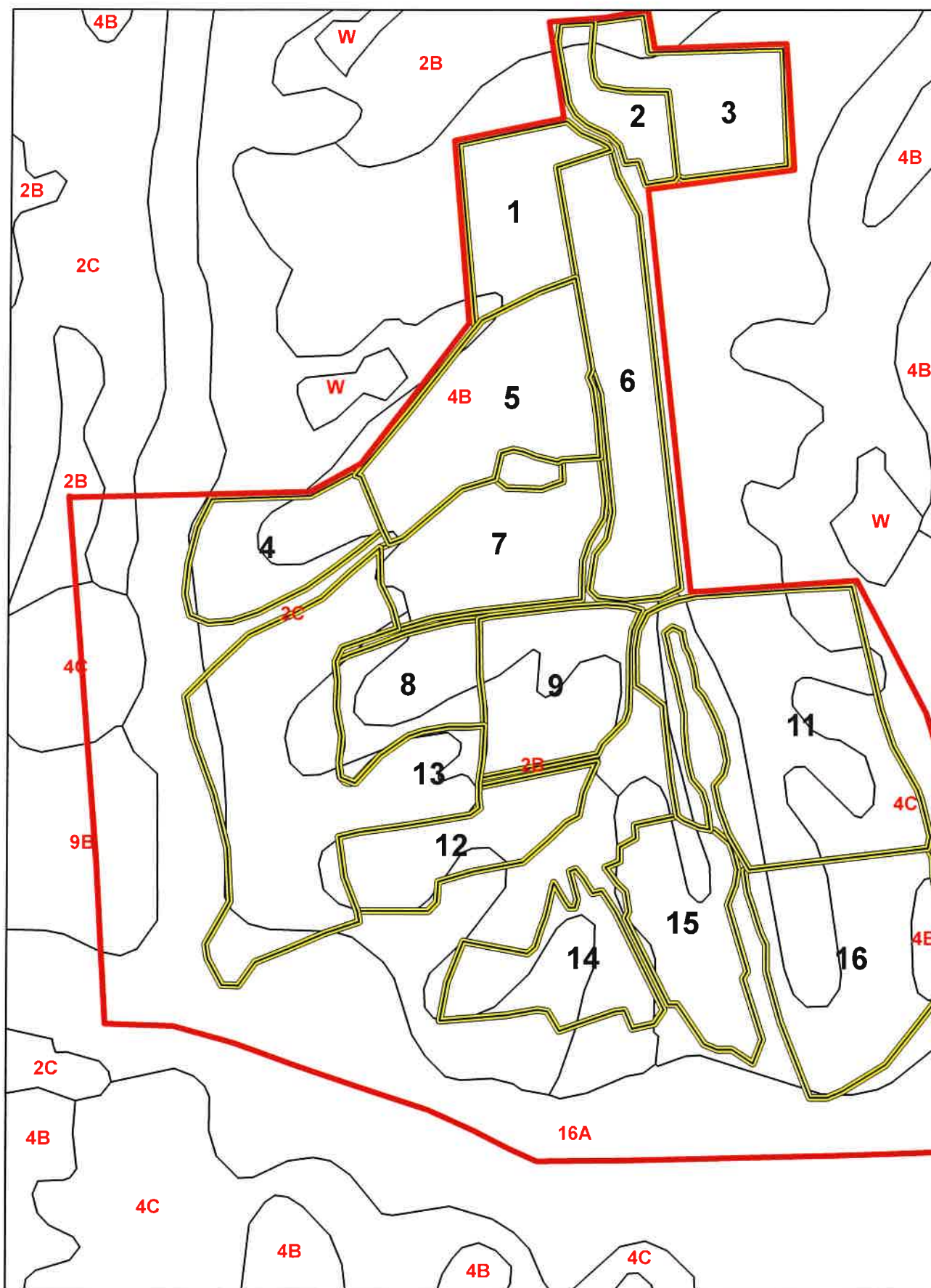
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### Dinwiddie County

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Tax Map	Parcel #	Owner Name(s)
39	38	Baxtor J or Ashley V Sossum
	40A	Howard B Maitland
	40E	Edward A Givens
	41A	John E & Susan R Means
40	41	Samuel F Marston & Donald H & Gwen M Ortt & Gil L Marston & David W
	45	Keith W & Patricia L Marek
	49	David W & Carol Christine Marston
	49A	Jerrery L Cox
	50	Patirica Carol Szafranski
52	7	Anne K Melton & William B Kirtley Jr
	8	BTG Pactual OEF Property
53	1	Jack C Shankman Trust & Teresa C Shankman Trust



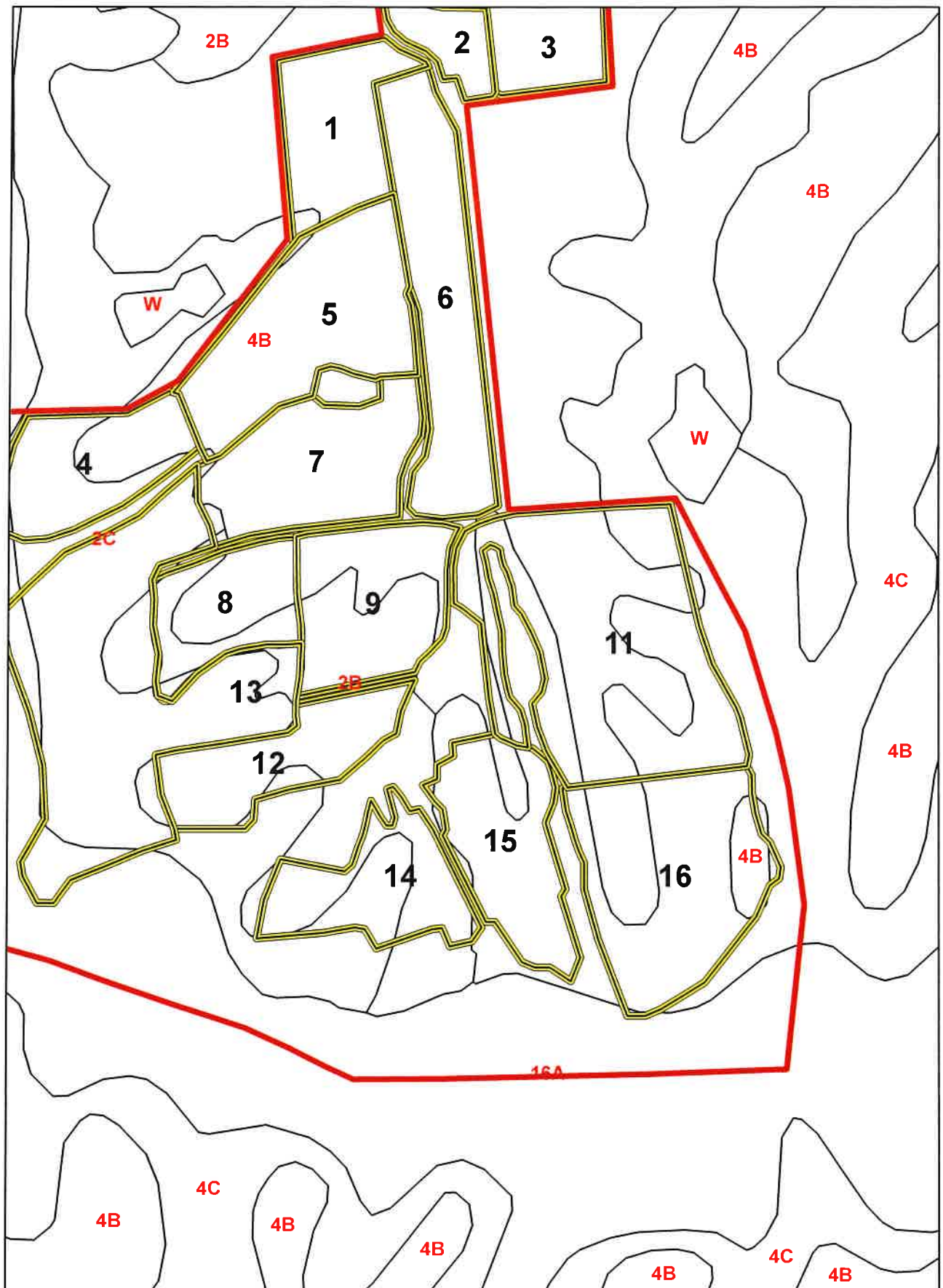


5-4-21  
Frequently  
Flooded

**Soil Map**

1 in = 660 feet





5-4-21  
Frequently  
Flooded

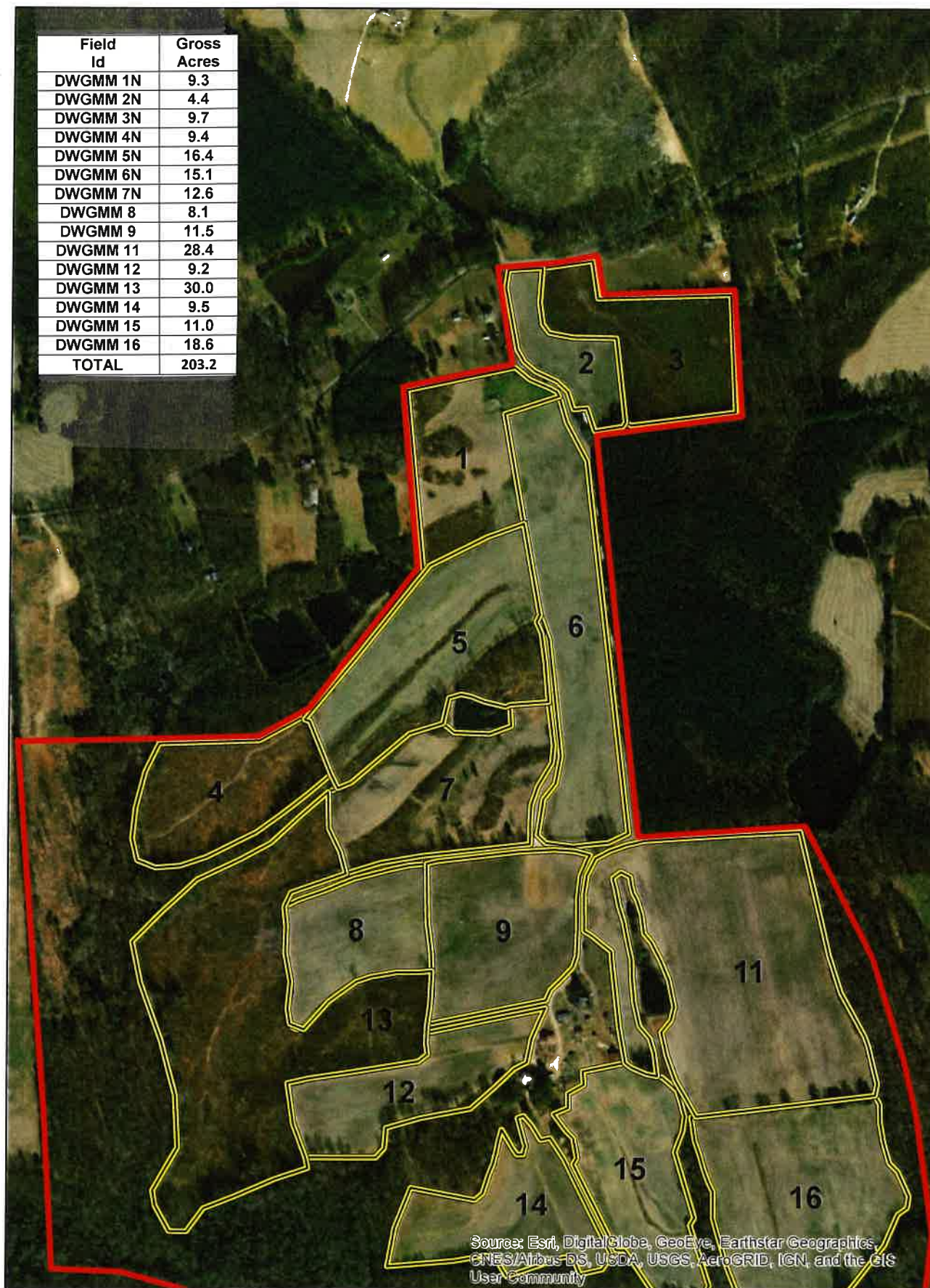
**Soil Map**

1 in = 660 feet





Field Id	Gross Acres
DWGMM 1N	9.3
DWGMM 2N	4.4
DWGMM 3N	9.7
DWGMM 4N	9.4
DWGMM 5N	16.4
DWGMM 6N	15.1
DWGMM 7N	12.6
DWGMM 8	8.1
DWGMM 9	11.5
DWGMM 11	28.4
DWGMM 12	9.2
DWGMM 13	30.0
DWGMM 14	9.5
DWGMM 15	11.0
DWGMM 16	18.6
TOTAL	203.2



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,  
CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS  
User Community



5-4-21

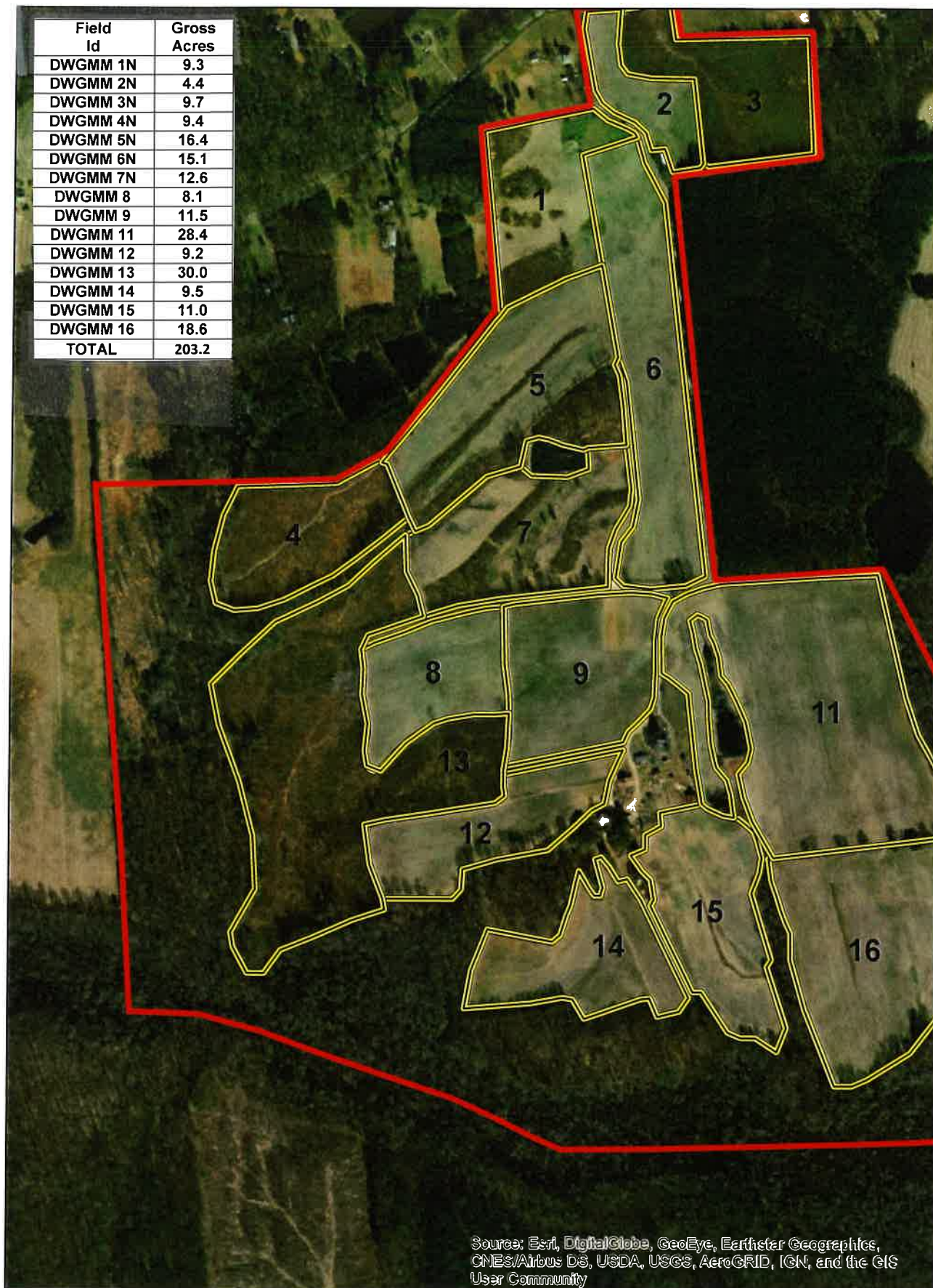
Aerial Map

1 in = 660 feet





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Aerial Map

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,  
CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS  
User Community





5-4-21

Aerial Map

1 in = 660 feet





### Common Land Unit

- Non-Cropland
- Cropland
- rcl\_l\_va053
- Tract Boundary

### Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation
- Compliance Provisions

Tract Cropland Total: 47.05 acres





2019 Program Year

Map Created June 20, 2019

### Common Land Unit

- Non-Cropland
- Cropland
- rcl\_va053
- Tract Boundary
















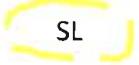


### Wetland Determination Identifiers

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 100.60 acres

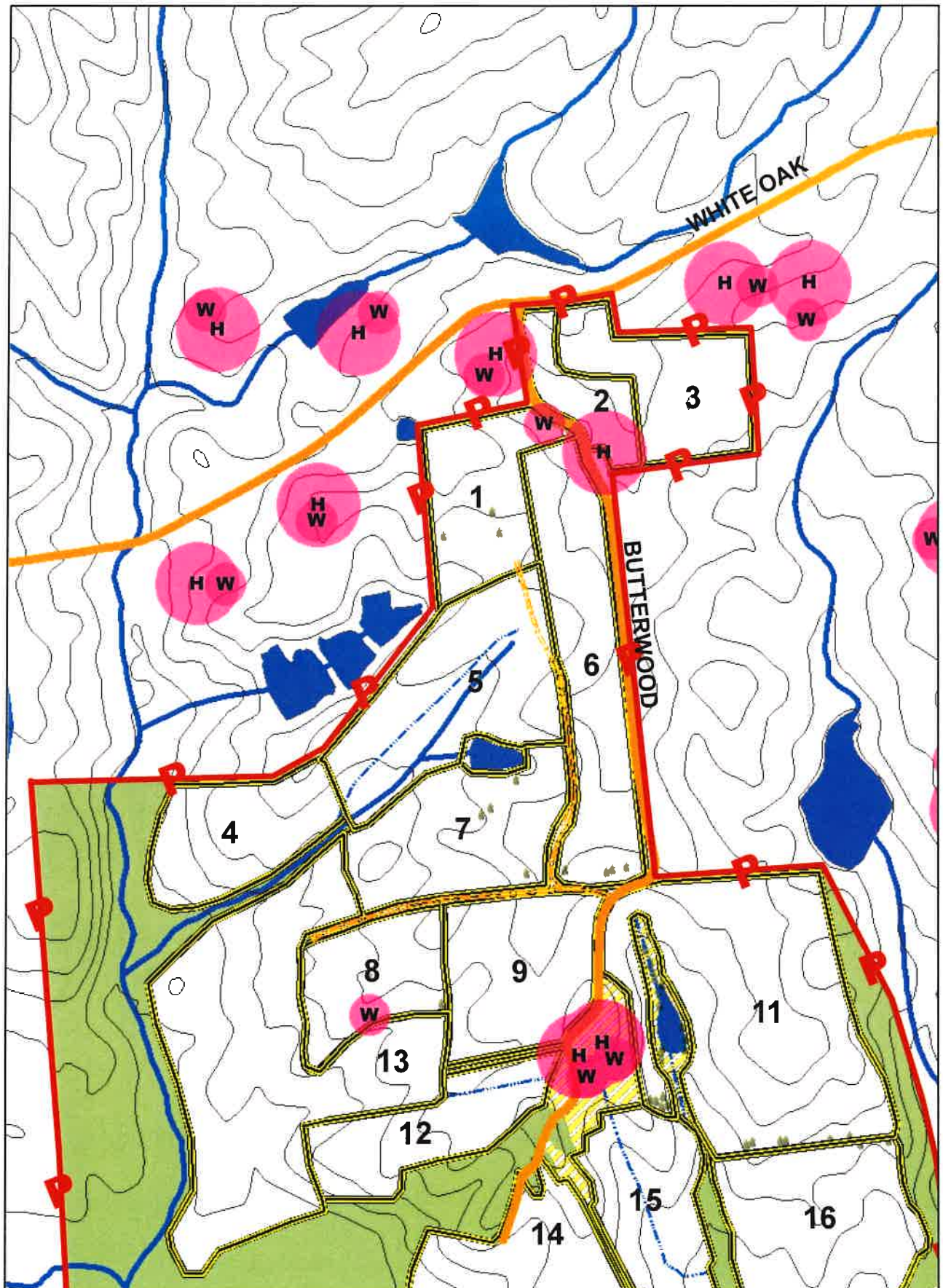
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# Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

\*Buffer can be reduced or waived upon written consent from landowner.



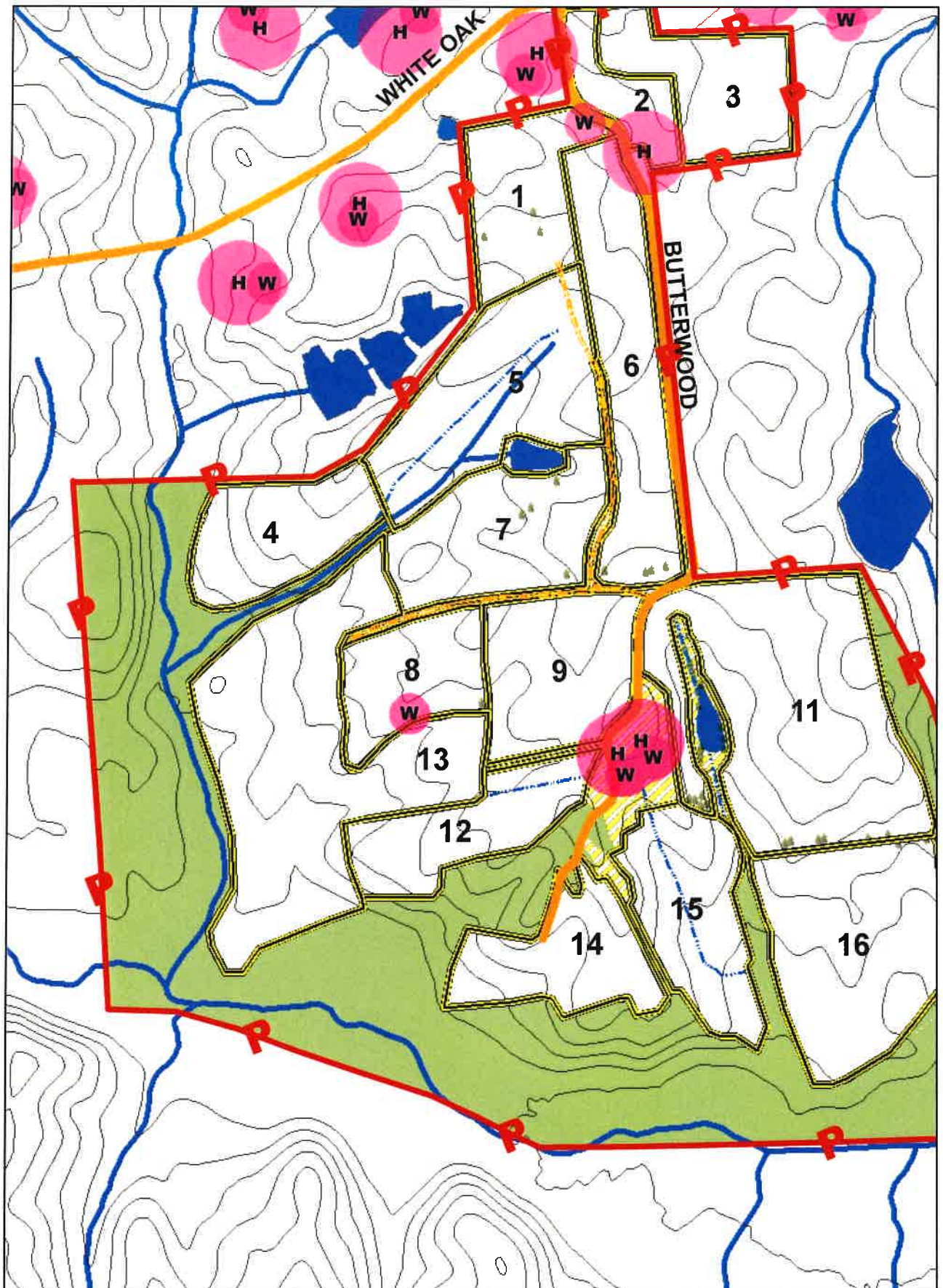


5-4-21

Site Map

1 in = 660 feet



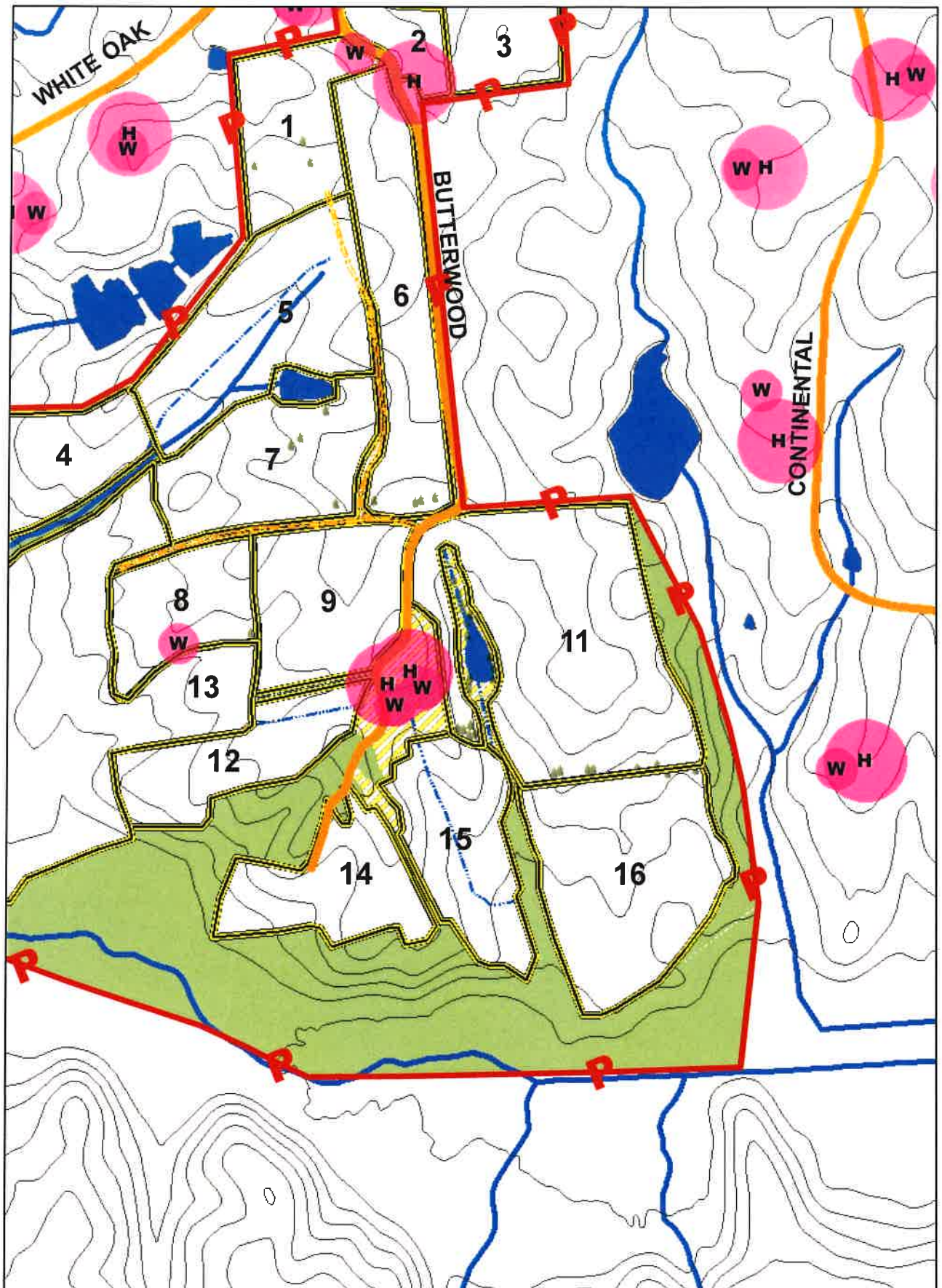


5-4-21

Site Map

1 in = 660 feet



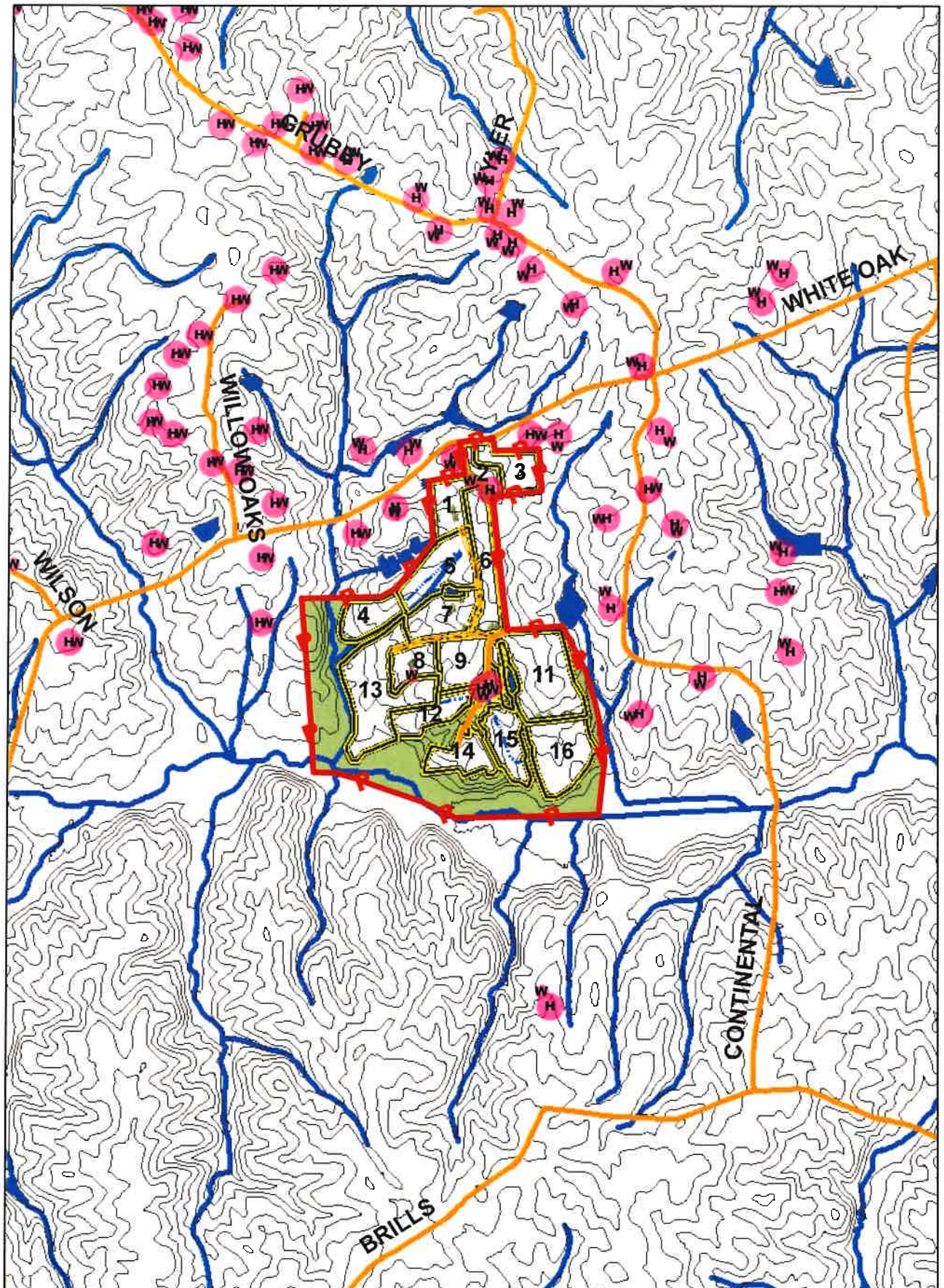


5-4-21

Site Map

1 in = 660 feet





5-4-21

Topographic Map

1 in = 2,000 feet